

FIRST CLASS MAIL



A Publication of
THE PHIL-MONT MOBILE RADIO CLUB, INC.
 P.O. Box 88, ABINGTON, PA 19001

The Blurb

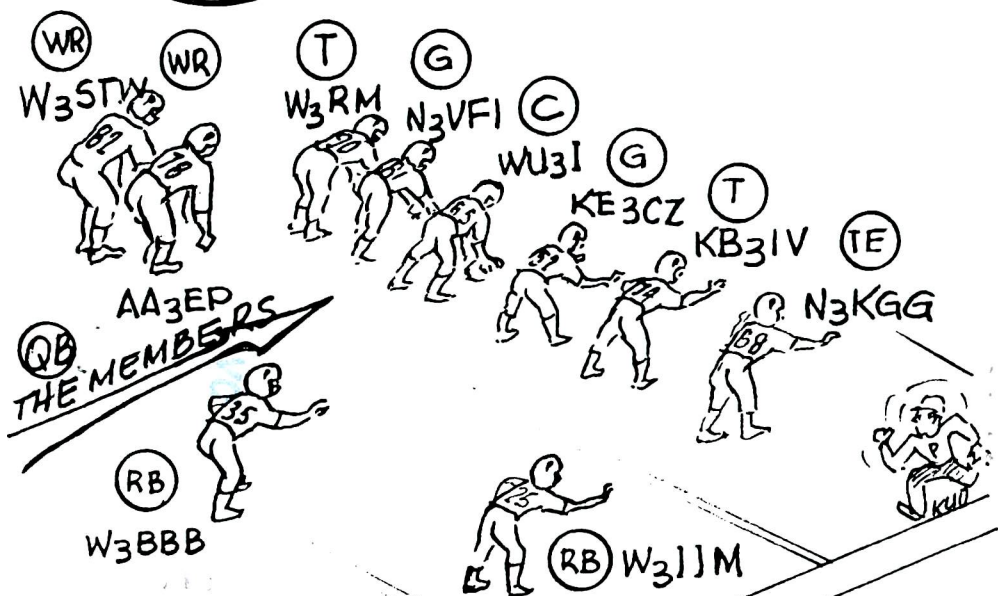
JACK HARING
 VIRGINIA HARING - W3IIM
 2113 Edgehill Drive
 Furlong PA 18926

W3IIM
 R



The Blurb

January 1995



PHIL-MONT'S SUPER YEAR XLVI
Team

*OUR WISHBONE OFFENSE
 DEPENDS ON YOU*



VOLUME 45

is published monthly by, and for, the members of **The PHIL-MONT MOBILE RADIO CLUB, INC.** whose purpose is to promote Amateur Radio in general, and Mobile Radio in particular. Copying and quoting is permitted with a credit line. We gladly exchange publications with other amateur radio clubs; requests should be sent to the Editor. *Blurb* subscriptions are available to nonmembers for \$10 addressed to the Treasurer. The club meets sometime after 7:30 p.m. on the first non-holiday WEDNESDAY of every month at **The Franklin Institute Science Museum**, Benjamin Franklin Parkway at 20th Street, Philadelphia. Enter from Winter Street, or the parking garage on 21st street.

ALL VISITORS ARE WELCOME!

Amateur Radio License Examinations - the first non-holiday Thursday of every month at The Franklin Institute Science Museum—doors close at 6:30 p.m. - *SHARP!*

CLUB INFORMATION

24-Hour Information Number at W3TKQ: **(215) 448-1139**

Repeater frequencies: 147.03 MHz (Roxboro input requires no PL, but outputs 91.5 Hz.)

PL required for off-site receiver (OSR) access:

Bucks County 131.8 Hz—Center City 103.5 Hz—Lansdale 114.8 Hz

444.80 MHz (186.2 Hz PL)

Simplex frequency: 147.51 MHz

Packet BBS frequency at W3TKQ: 144.99 MHz

Mailing Address: P.O. Box 88, Abington, PA 19001

STATIONS

W3QV - 147.03 MHz. Repeater - 8200 Ridge Avenue, Philadelphia, PA - Trustee W3BBB

W3TKQ - The Franklin Institute Science Museum, Philadelphia, PA - Trustee W3PWG

AMATEURS (with license) ARE ALWAYS WELCOME TO OPERATE W3TKQ.

OFFICERS

PRESIDENT: WU3I, Steve Hoch, 4638 Oakland Street, Philadelphia, PA 19124 (215) 535-8061

1st VICE PRESIDENT: KE3CZ, Bob Wilcox, P.O. Box 21914, Philadelphia, PA 19124 (215) 535-7355

2nd VICE PRESIDENT: N3FVI, Bill Popovic, 343 Lemonte Street, Philadelphia, PA 19128 (215) 487-9472

SECRETARY: W3STW, Al Tribble, 2848 Carter Road, Trevose, PA 19053 (215) 639-6771

TREASURER: N3KGG, Dave Witkowski, 730 Greymont Street, Philadelphia, PA 19116 (215) 969-5485

DIRECTORS

W3BBB (96); AA3EP (95); K3GNM (A); W3GQD (A); KB3IV (95); K3KUD (A); W3RM (96)

COMMITTEES

Archives: W3IIN
Blurb Folding: WB3KOH&J
 Budget /Audit: K3KUD
 Directory: WB3KOJ
 Education: AA3CH
 Emerg. Coord.: W3BBB

Field Day: N3IEI
 Membership: AA3BB
 Net Control: KB3IV
 Program: KE3CZ
 Publicity: N3IEI
 Refreshments: N3FVI

Repeater: W3BBB
 Special Events: AA3EP
 VE Program: ND3Q
 TVI: W3VVS
 W3TKQ: KB3IV
 Welcome: NEEDED

Blurb STAFF

Editor: W3IIM, Jack Haring, 2113 Edgehill Drive, Furlong, PA 18925 (215) 794-7623

Internet address: CHARING@CHMC.MHS.COMPUSEVE.COM

Artist: N3QIE

Labels: WB3KOJ

Publisher/Typist: W3IIN

DEADLINE: To be assured of publication in the current month, all copy MUST be in the hands of the Editor at the Bored of Directors' Meeting!

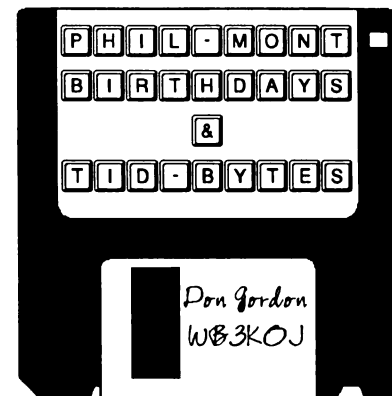
NET SCHEDULE

SUNDAY	09:30	147.030	MHz FM	"SUNDAY MORNING 2 METER NET"
	10:00	28.993	MHz SSB	"10-ON-10 NET"
	10:20	3.993	MHz SSB	75 METER NET
TUESDAY	20:00	147.030	MHz FM	CW PRACTICE NET
LAST WED	20:00	147.030	MHz FM	W3TKQ OPERATORS' NET

JANUARY BIRTHDAYS

- 01 Rose Gold (XYL K2ID)
George Starks - AA2FU
- 02 Bob Wilcox - KE3CZ
- 03 Jon Verlin - KA3VVU
- 05 Jim Foley - N3PRA
- 09 Cheryl Eckert (XYL N3LMX)
- 13 Jon Balch - W3KG
- 15 Karen Lenczynski (XYL KA3EIP)
- 16 Susan Starks (XYL AA2FU)
Bill Sullivan - N3QMH*
- 17 Lee Kovnat (XYL WB3JUA)
Eileen Weigand (XYL AA3EP)
- 18 Marion Bubeck (XYL K3GNM)
- 19 Babs Clayton (XYL K3HIE)
Bill Mescanti - WB3CMM
- 23 Bill Henry - N3RPZ*
Milt Soss - N3AN
Dean Spare - N3TAL*
- 25 Ronald Johnson - N3ZO
- 27 Susan Markowitz (XYL N3IZZ)
- 28 Bob Schmilewske - K3KUD
- 30 Vira Johnston (XYL K3VXU)
Bill Kane - N3OOL
- 31 Jim Faries - W3AOA
Joyce Nelson - N2WHO
Fred Reichert - KA3BET

*Indicates New Member - 1994

**1995 License Expirations:**

January WB3KAB, K3TYB

February W3SGR, KB3IV, KA3EIP

April K3KUD

May WB3KAC, W3ISN

June W3PWG

October N3TAL

November KA3BET, N3EBE, N3EKR

...and W3STW sometime this year!

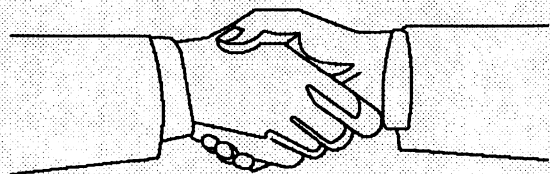
HELP PHIL-MONT

Are you planning to join ARRL or renew your current membership? Help P.M.R.C. by joining or renewing through the club... Dave Witkowski - N3KGG for details.

DIRECTORY UPDATE

With your December *Blurb* you received your Dues Invoice & Directory Information Sheet. Please verify the information and return it with your dues & optional Franklin Institute donation to: DAVE WITKOWSKI - N3KGG, 730 Greymont Street, Phila., PA 19116... Your early reply will speed-up the publishing of the 1995 P.M.R.C. Directory.

CORRECTION: Marty Weinberg's correct call is WP4MSX.



NEW MEMBER APPLICATIONS

CALL: **N3SHI**
 NAME: **Walter Rice, Sr.**
 HANDLE: **Walt**
 CLASS: Technician
 ADDRESS: 359 Gilham Street
 Philadelphia, PA 19111
 HOME PHONE: (215) 741-2168
 BUSINESS PHONE: (215) 221-8546
 OCCUPATION: Computer Coordinator
 INTERESTS:

CALL: **N3STR**
 NAME: **Lawrence Weinstein**
 HANDLE: **Lawrence**
 CLASS: Extra
 ADDRESS: 1155 Kenyon Drive
 Fort Washington, PA 19034
 HOME PHONE: (215) 641-0183
 BUSINESS PHONE:
 OCCUPATION: Student
 INTERESTS:

CALL: **N3TMC**
 NAME: **Stanton Weinstein**
 HANDLE: **Stan**
 CLASS: Technician
 ADDRESS: 1155 Kenyon Drive
 Fort Washington, PA 19034
 HOME PHONE: (215) 641-0183
 BUSINESS PHONE: (215) 986-2580
 OCCUPATION: Patent Attorney
 INTERESTS:

CALL: **N3TRO**
 NAME: **Michael Taraborrelli**
 HANDLE: **Michael**
 CLASS: Technician Plus
 ADDRESS: 7138 Cresheim Road
 Philadelphia, PA 19119
 HOME PHONE: (215) 242-8058
 BUSINESS PHONE:
 OCCUPATION: Student
 INTERESTS: W3TKQ

GOODIES

Bylaws Updated

The latest edition (1994) of the club's bylaws has just been printed, and will be available to members at all General Meetings. A copy is included in all new-member welcome packages.

Zenith Z-148 PCs

Dual-speed 8086 processor @ 4.77 and 8 MHz, 2-360k diskette drives, 640k memory, serial and parallel ports, CGA video w/monochrome composite monitor, keyboard. No software. Good for use as packet terminal or starter PC.

Proceeds to W3TKQ \$50 each
 W3IIM (215) 794-7623

The PREZ SEZ

Steve Hoch, WU3I



Hello, and welcome to 1995, and a brand new year for Ham Radio. A brand new year for Phil-Mont as well.

I am looking forward to seeing all of you during the year at meetings, public service events, field day and paddlerama (or as many as you can attend).

W3TKQ has survived the holidays, and the onslaught of visitors that the holidays bring, and we have plans to add new things to attract visitors.

The addition of club jackets to our wardrobes has not been forgotten, and will be pursued.

With the cold weather comes the

onslaught of *snow*. There, I said it; now don't you all feel better? When the repeater is in the 'foul weather' macro, and the WEATHER ALERT is announced by the controller, remember that the time-out is 60 seconds, so leave room for other stations to get through. *Mobile traffic has priority*. That is to be stressed by all control operators. None of us wants to go through last winter again, but we have to be ready.

Thanks to those officers and committee members who have served in the past year, and welcome to those incoming with the new administration. Without the help of these people we could not make it through the year. ☺

Steve who?

Stephen Hoch [*rhymes with poke*] has been a licensed ham for the better part of sixteen years, the past fourteen as an active member of PMRC. First licensed with the call KA3AMO, he received the call WU3I in December of 1991.

He's a very active ARRL accredited volunteer examiner that many of you may have met if you have taken your license examinations at The Franklin Institute. He's recently become the new trustee of W3TKQ, and is employed by SEPTA as an operator on the Market-Frankford Line.

Steve finds time to stay active in as many club functions as possible, as does his lovely wife Joann, N3FTC. They have five children ranging in age from 12 to 22 years, and had their first grandchild in May 1993. The children enjoy The Franklin Institute and Corestates Bike Race, but Steve's not yet been able to persuade them to try Ham Radio.

During 1992 and 1993, Steve was our recording secretary, and last year served as First Vice President, and chief cook for the Paddlerama participants [*he's a very versatile guy—Ed*]. ☺

UPCOMING

Jan 4 General Meeting Program:
HF mobile antenna systems
Fred Lamberti, KE3NP

Jan 5 License Examinations at
The Franklin Institute

Jan 18 Directors' Meeting at
N3GLU & KB3IV's

Feb 1 General Meeting

Feb 2 License Examinations at
The Franklin Institute

Feb 15 Directors' Meeting

HAMFESTS

Look for 'Goodies' every
month in the *Blurb*.

Mar 25-26 TIMONIUM, MD
Baltimore ARC

Apr 2 TRENTON, NJ
DVRA

May 7 WRIGHTSTOWN, PA
Warminster, ARC

July 9 TIMONIUM, MD
BRATS

Aug 6 WARRINGTON, PA
MARC

Sept GAITHERSBURG, MD
Foundation for Amateur Radio

CLUB INFORMATION

24 Hour Information Number at W3TKQ
(215) 448-1139

V.E. TEST LOCATIONS

Confirm all information, in advance, with the contact person. Licensed applicants must bring the original, and one photocopy of their license. All applicants, including children, must two means of positive ID. Also bring the original, and a copy, of any Certificate of Successful Completion needed to prove current status. The ARRL VEC's 1995 test fee is \$5.90; there is no charge for a Novice test.

The FRANKLIN INSTITUTE

Monthly, 1st Thursday—Dusty Rhoads, ND3Q
(215) 879-0505 day, (215) 482-0386 home

BELLMAWR, NJ

Monthly, 3rd Thursday—Bill Helmatag
(609) 546-7710

BRYN MAWR

Irregularly—Bob Lees
(215) 265-6032

LEVITTOWN

Monthly, 1st Saturday—George LeNoir, WR3B
(215) 943-4886

LINWOOD, PA—(Commercial & Amateur Exams.)

1/28 • 4/29 • 8/26—Russ Stafford, AA3CH
(610) 497-2211, (302) 792-7760 home

MORRISVILLE

Monthly, 3rd Thursday—Dave Munson, NM3K
(215) 788-7515

POTTSTOWN

Monthly, 1st Monday—Warren Erdman K3ZXQ
(215) 679-5764

TELFORD

Monthly, 3rd Monday—Warren Erdman K3ZXQ
(215) 679-5764

UNIVERSITY OF PA

Monthly, Last Saturday—Jeff DePolo
(215) 898-8538 shack, (215) 337-7383 home

WARMINSTER

Monthly, Last Wed.—Tom Michaud, WA3TQJ
(215) 343-3494

PUBLIC SERVICE EVENTS

Charlie Weigand, AA3EP (215) 324-0167

Apr 23 M.S. Walk
May 20 Spring Cycle
Sep 30 City-to-Shore (2-day round trip)
Dec 3 Brian's Run (West Chester area)

REPEATER TYPES

YOU'VE SEEN THEM, I'M SURE, ON YOUR LOCAL REPEATER.
I'M SURE YOU'RE NOT ONE OF THEM, (BUT I KNOW WHICH
ONE I AM.)

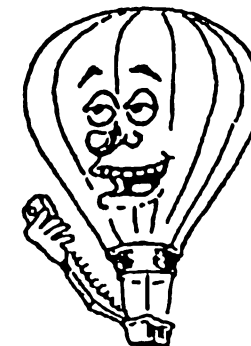
BEASLEY --
K6BJH



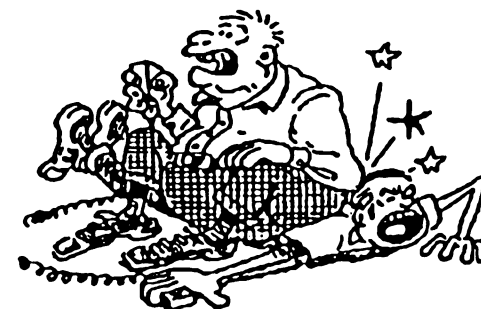
THE KER-CHUNKER
HAS A WELL DEVELOPED MIKE
BUTTON FINGER. LOVES TO
HEAR THE TIMER RESET BEEP,
OVER AND OVER AND OVER.



THE PICKET-FENCER
TRIES TO WORK THE REPEATER,
MOBILE WITH MILLIWATT POWER
AND A RUBBER DUCK.



THE HOT-AIR BALLOON
TALKS ON THE REPEATER FOR
AN HOUR AT A TIME. USUALLY
DOESN'T SAY MUCH.



THE DOUBLER
DOESN'T WAIT TO SEE IF IT'S
HIS TURN -- JUMPS RIGHT IN
ON TOP OF THE GUY WHO'S
SUPPOSED TO GET IT.

"Repeater Types" reprinted from WORLD RADIO

Repeaters and PL

Jim Spencer, W3BBB

PL or Private Line, is a Motorola registered name for Continuous Tone Coded Squelch System. "CTCSS" requires that a specific sub-audible tone be transmitted along with the voice audio. This tone is decoded at the receiver, and prevents the squelch from opening unless the proper PL tone is received.

Recently I read an article from Worldradio, written by Bill Pasternak-WA6ITF, relative to open and closed repeaters. As you are well aware, Phil-Mont has always run an open repeater. We have a PL tone of 91.5 Hz on the output for the convenience of those with interference from the north and south, but the input is carrier operated. (The 3-second on-delay prevails after periods of inactivity) Further, we have always been proud of the fact that, as a club, we do not require membership or contributions from nonmember users. I hope it will remain that way for many years to come.

WA6ITF comments "Repeater operators who operate an open repeater find themselves dealing with a disproportionate number of displaced users. What these operators of non-PL systems find is that nonmember use is increasing while the membership size of their group remains constant. It would appear to the casual observer that many of these nonmember users feel little, if any, loyalty towards any particular repeater, yet they have little concern about monopolizing someone else's repeater."

Bill had these suggestions (with which I completely agree):

1. Repeater operators should strive to provide a state of the art system—without the use of PL—that is open to all.
2. Users of these repeaters have a duty to financially support the repeater they call their own. There is no such thing as a free lunch.
3. If you use someone else's repeater, and are not financially supporting, *you are a guest—use it sparingly.*

I have not quoted Bill's article in its entirety, but he has made many good points. I thank him for taking the time to speak out on the subject of open and closed repeaters. This is not a criticism of anybody, rather, it is a reminder to all to "use the same courtesy you expect from others."

None of you would ask your rig to transmit continuously for the length of time you expect the repeater to operate. While I'm on my soapbox let me remind you that since W3QV went on the air in 1973, we have had less downtime than any other repeater with which I am familiar. This speaks well for the equipment, and for the dedication shown by those who maintain the system. ☺

Editor's note: Jim has been our 'repeater meister' since our first 10-meter repeater, which preceeded the present 2-meter/70-centimeter system. In recent years his son Rick, N3DHI, has assisted with the chores.

"DON'T TAILGATE... WAIT"—for the courtesy ☺!

MINUTES

DECEMBER GENERAL MEETING

Bob Wilcox, KE3CZ, Secretary



Minutes not received by press time.

CONGRESS ACTS TO SUPPORT HAM RADIO

A joint congressional resolution supporting Amateur Radio was successfully passed through both houses of Congress in the wee hours of the morning of October 7. The bill asks for "reasonable accommodation" in the operation of Amateur Radio in homes, automobiles and public places. It was a last ditch effort by Senators Charles Robb, Wendell Ford and Alan Simpson to make Senate Joint Resolution 90 a reality. The bill passed on the floor of the Senate under unanimous consent at 12:10 AM. It then went to the House of Representatives. There it was brought up by Congressman Al Swift and passed unanimously at 2:45 AM. Patricia Spurlock, a staffer for Senator Robb, and Stephanie Vance, a staffer for Congressman Mike Kreidler, worked overtime on the bill. You may remember that it was Kreidler introduced the original House version. Passage was assisted by the efforts of David Leach, counsel to the House Energy Commerce Committee, along with Jerry

AT&T FORMS TEAM TO TRACK HACKERS

AT&T Corp.'s Global Business Communications Systems says that it has formed an investigative unit to monitor, track and catch phone-system hackers in the act of committing toll fraud. The unit will profile hacker activity and initiate "electronic stake-outs" with its business communications equipment customers in cooperation with law enforcement agencies, and work with them to prosecute the thieves. The company says that its goal is not only to defend against hackers but to get them off the street." ☺

(NEWSLINE via the KE3CZ BBS)

Waldron and Colin Crowell of the House Telecommunication and Finance Subcommittee. Not since the days when Barry Goldwater, K7UGA served in the senate has Amateur Radio seen this kind of support from Capitol Hill. ☺

(NEWSLINE via the KE3CZ BBS)

MINUTES

DECEMBER DIRECTORS' MEETING

Al Tribble, Acting Secretary

President Ed Masarsky, KB3IV, called the meeting to order at 8:15 p.m. Attending were host N3FVI, W3IIM, AA3EP, WU3I and W3STW.

The agenda contained committee reports and old and new business. The Treasurer was absent... no report. KB3IV cited, from the Bylaws Article 9 Sect. 4 that the Treasurer may have, subject to the approval of the Board of Directors, an assistant. It was moved, seconded and approved that KB3IV be the assistant to the Treasurer.

Budget Committee: K3KUD, Bob, hosted a Budget Committee meeting 1 Dec., '94, and those attending hammered out the 1995 Phil-Mont Mobile Club, Inc. budget. KB3IV gave out copies of the budget to those attending. It was moved, seconded and approved to accept the budget.

Net Operations: W3STW will be placed in rotation for the 75-meter net. KB3IV stated that two-meter net operators are needed.

Repeater(s): There was an unconfirmed comment (not report) by someone not identified that... "the repeater is working." Further, the comment failed to identify which repeater is working. Although the U.N. was not contacted (this too is unconfirmed), it is agreed, by those yet to be identified, that if the repeater ain't "broke," don't fix it.

Special Events: AA3EP was happy to report that for 1995 he already has a list of special events. In 1994 he did not have a list, and some events were difficult to prepare. AA3EP praised the 1994 participants, and is looking for 1995 support in greater numbers. Copious amounts of kudos were

reaped upon AA3EP and AA3CH for their effort in making The Phil-Mont Mobile Radio Club's special event project a success in 1994.

Volunteer Examiners: WU3I reported that the project is functioning well and growing, and noted that NU3Y and KA4LIF recently joined the program.

W3TKQ: WU3I reported the following equipment out for, or needing repair: the Rupp meter, Wieman and Ten Tec Xcvrs, and the front panel of the main console at position 1. Speaking of equipment, W3IIM mentioned the availability of about a half dozen 8086 terminals with clock speeds of 4.77 or 8 MHz, 640k ram. These terminals have a built-in CGA controller, and come with a composite monochrome monitor of either green or amber color. W3IIM did mention a price but if you're interested give W3IIM a call.

Old Business: W3IRS has resigned as Director and WU3I nominated KB3IV to fill the remainder of W3IRS' term. AA3EP seconded the motion which was passed. Regarding the jacket project, KB3IV is in contact with the manufacturer and will be passing along logo information. This will be done because logo costs impact directly on jacket pricing.

Because there was no new business, the same someone that made comments about the repeater motioned that the meeting be adjourned. This was seconded by a collaborator, and it must have passed because in a flash all pallets were being sated by the goodies supplied by host N3FVI to whom all attending say thank you Bill. ☺

THE W 3 T K Q REPORT

The International Voice of The Franklin Institute Science Museum

Most of you are reading this *Blurb* in the waning days of 1994. Thanks to the efforts of our editor, and his crack distribution staff. I won't mention any names, since you know who you are.

W3TKQ has introduced ham radio to thousands of visitors to The Franklin Institute in 1994. It also allowed license amateurs to try-out different aspects of the hobby which were not available to them at their home stations.

We can all be proud of what W3TKQ has contributed to amateur radio since the opening of the first station at The Franklin Institute in 1952.

Speaking of contributions, I want to thank those of you who included a voluntary contribution to W3TKQ along with your 1995 dues. If you haven't yet mailed-in your dues, and still have a few bucks left from holiday shopping, please think of helping to maintain the station for the coming year with your financial support.

You have read in almost every W3TKQ report this past year of our need for more volunteer operators. I am happy to report that we have added more new operators in the last few months, and have been able to keep the station open seven days a week.

We can still use more volunteers, and will welcome any interested amateurs, whether or not they are Phil-Mont members.

May you all have a happy and healthy New Year, and thank you for your continued support.

—Ed Masarsky, KB3IV

FCC announces rules changes

On October 24, 1994 the FCC announced that beginning December 20, 1994, the following amendments described as "nonsubstantive procedural changes" will become effective:

1. To permit electronically filed data from VECs (paper applications will still be accepted);
2. Authorizes operation as soon as the new license appears in the amateur service licensee data base, rather than the present wait for the license document to be delivered. Details of how the new licensee can determine his/her call sign will be announced later;
3. To add a new rules section entitled "Examinee Conduct," to emphasize that an

examinee must comply with the instructions given by the administering VEs;

4. To treat "Technician Plus" as a license class;
5. To provide for a "renewal short form" which the FCC states will be mailed in advance of the license expiration date, beginning sometime in 1995. The FCC again stated that renewal applications will not be accepted more than 90 days in advance of the expiration date.

Because of the "nonsubstantive" nature of these rule amendments, there is no notice or comment period required by federal law, and they will take effect on December 20, 1994. ☺

Worldradio

*Sam's
KATTY
KORNER*

NOTICE TO PHIL-MONTERS

**AN APOLOGY TO BOB-K3KUD
FOR FORGETTING TO PUT HIS NAME
IN THE NAVY YARD PHIL-MONTERS
LISTED IN DECEMBER 1994 ISSUE
OF THE BLURB.**

**AN OLD DESIGN DIVISION SAYING...
THE FASTER I GO, THE BEHINDER I GET...**

116TH MONTHLY VE SESSION STATISTICS DECEMBER

**10 candidates took 18 elements
2 new amateurs plus 1 upgrade**

VE team members:

Dusty Rhoads, ND3Q, Chairman

Bob Wilcox, KE3CZ; George Walmsley, WO3D;

Niel Leone, W3FZR; Wally Newell, K3JJO;

James McCloskey, KE3OP; Sal Valente, NS3Y; Bob Freer, W3YLT

**AMATEUR LICENSE EXAMS HELD ON THE FIRST
NON-HOLIDAY THURSDAY OF EVERY MONTH**

Registration begins at 6:00 PM

Doors close at 6:30 PM sharp

**THE FRANKLIN INSTITUTE
SCIENCE MUSEUM**

For Information Call ND3Q at
(215) 482-0386 or 879-0505

Accessible by the handicapped.



JANUARY PROGRAM

KE3NP, Fred Lamberti: "HF mobile operations, and the DK3 Screwdriver HF antenna, popularized by Don Johnson, W3AAQ."



**Talk UP
Amateur Radio!**

NEWSLETTERS EXCHANGED

Anne Arundel Radio Club (Maryland)
Baltimore Radio Amateur Television Society (BRATS)
Chaverim of Delaware Valley
Cherryville Repeater Association (NJ)
Delaware-Lehigh Amateur Radio Club (DLARC)
Delmont Radio Club
Fort Myers Amateur Radio Club (Florida)
Mid-Atlantic Amateur Radio Club (MARC)
Penn Wireless Association
R F Hill Amateur Radio Club
Reading Radio Club
Sanibel Amateur Radio Emergency Unit (Florida)
Sussex Amateur Radio Ass'n (SARA) (Delaware)
The 96 Over The Hill Gang (New Castle, Delaware)
Tompkins County Amateur Radio Club (New York)
Warminster Amateur Radio Club
Worldradio Magazine
Exchanges with additional parties are welcomed.

PHIL-MONT MOBILE RADIO CLUB, INC. 1995 BUDGET

INCOME

ARRL RENEWALS	\$ 525
BLURB SUBSCRIPTIONS	30
DONATIONS	150
DOOR PRIZES: 50-50	450
DUES	3,725
MISC. INCOME	25
INITIATION/BADGES	250
PROJECT SALES	10
SOCIAL EVENTS	0
	<u>\$5,165</u>

EXPENSE

ARCHIVES	\$ 30
ARRL RENEWALS	400
AUTO PATCH	140
AWARDS	50
BADGES	225
BLURB	2,800
DOOR PRIZES: 50-50	225
INSURANCE	575
MEMORIAL/SUNSHINE FUND	40
MISC. EXPENSES	25
PROJECT EXPENSES	10
REFRESHMENTS	275
REPEATER MAINTENANCE, REPAIR	100
SOCIAL EVENTS	0
SPECIAL EVENTS	150
STATIONERY, POSTAGE, SUPPLIES, BANK	70
W3TKQ STATION	50
	<u>\$5,165</u>

Call
1-800-32-NEW-HAM
for free information for
prospective hams

THE ART OF THE DEAL

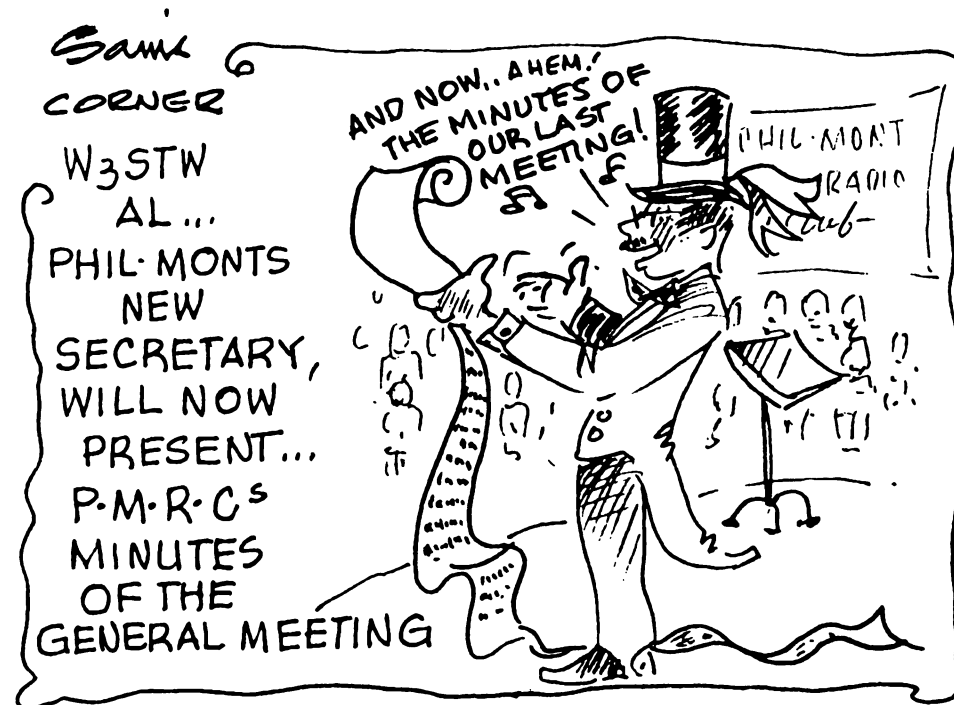
Donald "Trump" Gordon, WB3KOJ

Hard, unrelenting, continuous negotiation, is the way of modern business. So when Chris, N3IEI, expressed an interest in my "valuable, antique, almost virgin (only used on Sundays by a little old lady on her way to hamfests) 'rock-bound', Midland Model 13-509, 220 transceiver"; he set in motion a one-month marathon. A stream of offers and counter-offers flew back and forth almost daily via the Information Super Highway, from Prodigy to Internet and back the same way.

To publish the entire text of this hi-tech deal would take more space than the editor would grant. Suffice it to say that I, the

master of sales, made an opening offer to sell at \$500 plus. Chris, being a little conservative (*cheap*), countered with an insulting \$75 bid. Keenly aware that the desire to buy existed, and being an astute entrepreneur, I sensed that a compromise was possible. I pushed on with renewed determination and vigor. In the end, careful application of the "art of the deal," proved, beyond a shadow of doubt, how well honed was my business acumen.

I closed the deal, (with an electronic handshake) subject to a complete inspection of the merchandise, for \$90, *plus a Christmas picture of Caitlin.* ☺



hard to find noise. However, many times the source they find is not the one you're hearing. They usually have a 300 MHz "super snoop" noise detector with a 3 element Yagi. This usually is too broad to locate a specific pole or piece of hardware.

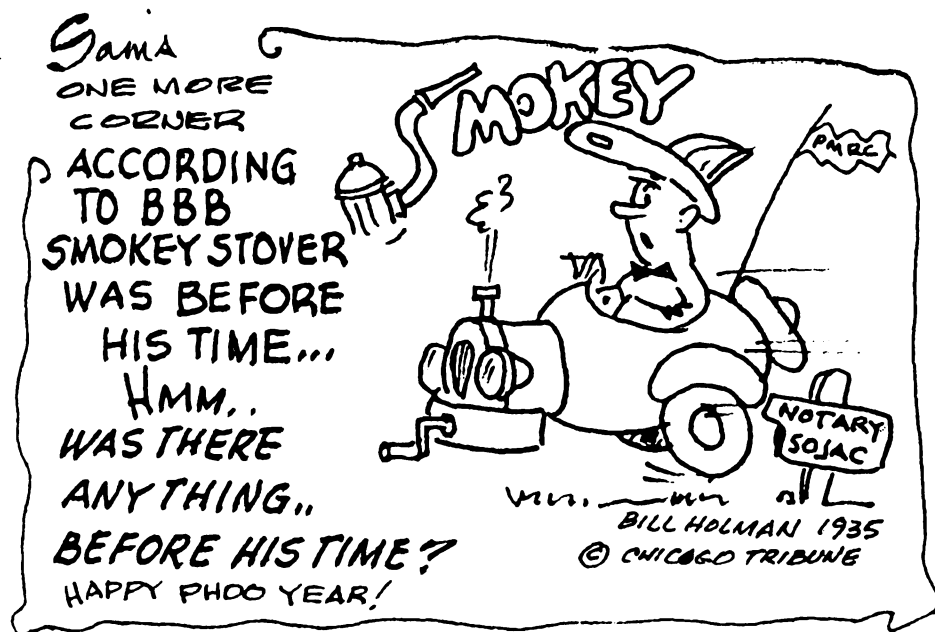
So how did I solve the problem of locating my power line noise sources? My first purchase was a Radio Shack PRO-43 scanner. It is capable of receiving AM signals on any frequency in its range. Remember an FM detector will not work for locating power line noise; it discriminates against noise. I also purchased a three-element 2 meter beam and a 450 MHz 6 element beam.

Starting from my QTH with the 2 meter beam, I performed an omnidirectional search of the area. When the noise source peaked in a direction, I started in that direction. When the direction of the noise reversed

180 degrees I went back toward the source. The discrimination of the 2 meter beam was good, but not superb. As soon as I was sure of my finding, I switched over to the 450 MHz antenna. Not only did it find the pole, it was able to identify the offending piece of hardware.

Some final words of advice in dealing with the power company. If the pole is in a distribution network about your QTH, it could very well be the one, but be sure before you cry wolf. If you are more than 2 miles from a low amplitude source, check carefully for another source closer to you. Have a friend listen to your receiver while you are locating noise sources. Determine that you are right before you call the power company. When you are confident that you have identified the noise location, give the power company a call. Be prepared to provide the exact location and pole number. Good luck. ☺

Worldradio



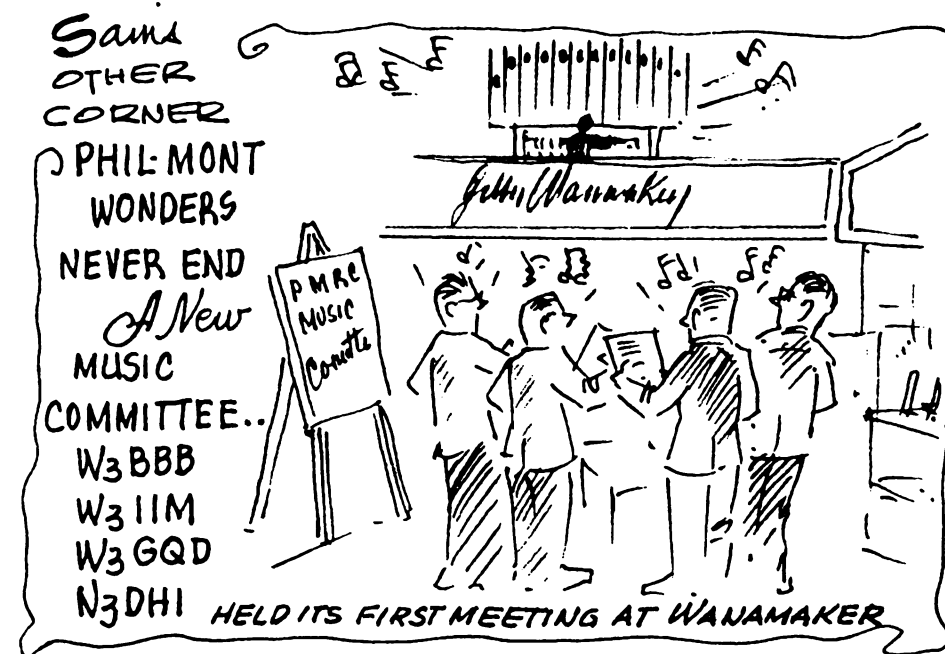
Power Line Noise

Jim Lawrence, N5CT

Power line noise is a subject that will come into the life of every HF operator sooner or later. When I returned to Utah and rejoined the active group of Amateur Radio Operators in February 1993, my power line noise was terrible. The noise was present on all amateur frequencies from 10 through 160 meters. The noise completely covered WWV on 10 meters during the daylight hours. I'd had the fortune of not having to deal with power line noise for many years. My memories of the techniques for finding the sources of the problem were outdated.

In the early 1960s I was fortunate enough to have a seventy-foot tall tower. The antenna array was a TA-36 tribander on

the bottom of the stack, and a 2 element 40-meter yagi eight feet above the TA-36. By changing bands and frequencies, and rotating the antennas, I was able to get a fix on most of the line noise I encountered. Then driving around and using the car's AM radio, I'd listen for the strongest noise source. Unfortunately I was wrong about the specific pole causing the problem most of the time. I wasted a lot of the power company's time and energy. They were not any better at finding it than I was. My experience says that you will save time by hunting for the noise source yourself. Power companies typically have limited RDF training, time and resources. I have found that they are willing to cooperate, and will usually try



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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1  2M NCS NS3Y 10M NCS W3HFY 75M NCS W3PWG <i>New Year's Day</i>	2	3 CODE PRACTICE NET at 8 PM N3ALW	4 GENERAL MEETING at The Franklin Institute Refreshments at 7:00 p.m. Meeting starts after 7:30 <i>Quadrantid Meteor Shower</i>	5 LICENSE EXAMS at The Franklin Institute Registration begins at 6:00 Doors close at 6:30 p.m. <i>sharp!</i>	6 Audit Committee Meeting January 5. 	7
8 2M NCS W3STW 10M NCS W3HFY 75M NCS AA3CH	9	10 CODE PRACTICE NET at 8 PM N3FVI	11	12	13	14
15 2M NCS KB3IV 10M NCS W3HFY 75M NCS W3STW	16  <i>M.L. King, Jr.</i>	17 CODE PRACTICE NET at 8 PM N3JJO	18 DIRECTORS' MEETING at N3GLU & KB3IV's	19 <i>Robert E. Lee</i>	20	21
22 2M NCS N3FTY 10M NCS W3HFY 75M NCS KB3IV	23	24 CODE PRACTICE NET at 8 PM W3RM	25  OPERATORS' NET at 8 PM	26	27	28
29 2M NCS W3BBB 10M NCS W3HFY 75M NCS W3BBB	30 	31 CODE PRACTICE NET at 8 PM N3ALW		If you sleep with dogs you'll rise with fleas.		